

Pages 97-103- The DNA Connection

- 1. The main function of genes is to control the production of proteins. Proteins help determine traits.**

2. The order of the nitrogen bases along the uprights of the ladder determines which protein will be made.

3. Proteins are made of amino acids. Three nitrogen bases form an amino acid. Example: CGT= alanine

4. Messenger RNA carries info from chromosomes in the nucleus to the cytoplasm. The info needed for protein synthesis.

5. RNA contains adenine, guanine and cytosine, but has uracil instead of thymine.

6. Messenger RNA - copies info from nucleus

7. Transfer RNA - carries the info to the ribosome.

8. The ribosome reads the info and makes the correct protein.

Using your notes and the book, answer the following question. What do you understand about how proteins are made?

Is there anything you don't understand? Feel free to write that down too or write a question you have.